

Drafting Project

Google Sketchup

You will be building on the skills developed through grades 7-9 as you use Sketchup to create a project that is both challenging and creative.

Choose one of the two project options. There are no tutorials for these projects as you are expected to use the skills built through the last few years. Feel free to find tutorials and videos if you choose. There are some videos at mneudorf.weebly.com to give you a better idea of what is expected.

Project Option #1

You will create a house using a floor plan that you have developed, or an existing floorplan. Use the videos on the class webpage to find instructions for importing this image file and begin to build this house. The minimum requirement is that you have imported the image, scaled the image, and all of the walls have been completed with windows and doors. If you would like to go further by adding exterior/interior detail as well as a roof system, you may also do this as well.

Project Option #2

You will create a sports stadium using Google Sketchup. The stadium will be for a sport of your choice, though you should keep in mind that an open stadium will be easier to create than a covered stadium. Make sure that appropriate dimensions are used. The more detailed this project is, the higher grade you will earn.

Architectural Model

If you would rather complete the drafting component of this class without the use of a computer, you may create a 3D architectural model. You must use cardboard, foamboard, etc. and a floorplan to create a 3D model. This model must have a floorplan and all of the walls and windows must be complete. You may also add roof and details as well. See class webpage for instructional video(s).

Rubric:

	4	3	2	1
Detail	This project is incredibly detailed as the student has put a great deal of time and effort into every aspect of the construction.	This project has an adequate amount of detail. The major elements show that a great deal of time and effort was used.	Some of the project is detailed, but a little more time and effort was required.	The project lacks attention to detail.
Accuracy	The dimensions of the project are incredibly accurate and show a commitment to the overall accuracy of the project.	The dimensions are quite accurate with only a couple of exceptions.	There are some errors in accuracy.	There are many errors in the projects accuracy.
Creativity	The project shows a number of creative elements and attention to detail.	The project has some creative elements.	The project lacks some creative elements.	The project has no creative elements.